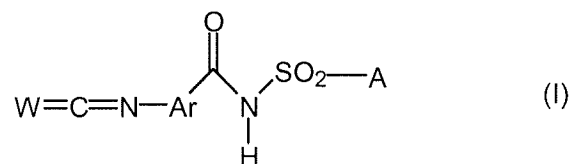


Listing of Claims:

1. (Withdrawn) A process for preparing phenyl iso(thio)cyanates of the formula I



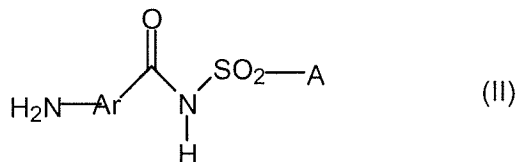
where the variables are as defined below:

W is oxygen or sulfur,

Ar is phenyl which may be mono- or polysubstituted by the following groups: hydrogen, halogen, C₁-C₄-haloalkyl or cyano,

A is a radical derived from a primary or secondary amine or is NH₂,

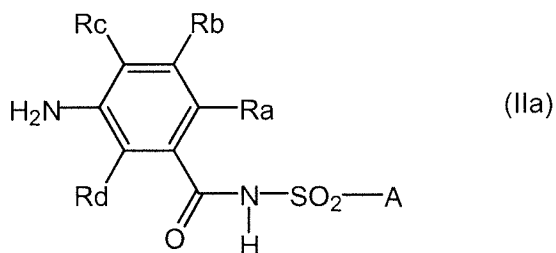
which comprises reacting a compound of the formula II



where the variables Ar and A are as defined above or its HCl adduct, with phosgene, thiophosgene or diphosgene.

2. (Withdrawn) A process as claimed in claim 1, wherein the HCl adduct of the compound of formula II is used.

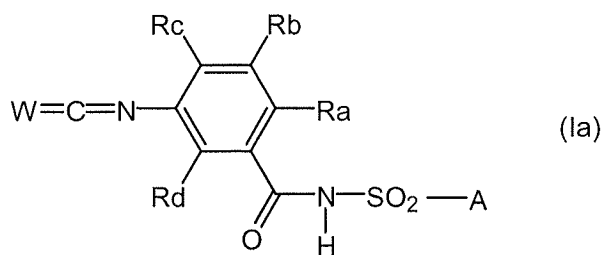
3. (Withdrawn) A process as claimed in claim 1, wherein from 0.9 to 2 molar equivalents of phosgene, thiophosgene or diphosgene are used, based on the moles of the compound of formula II.
4. (Withdrawn) A process as claimed in claim 1, wherein the reaction of the hydrogen chloride adduct of the compound of formula II is carried out in the presence of activated carbon.
5. (Withdrawn) A process as claimed in claim 1, wherein a compound of the formula IIA



where

R^a , R^b , R^c and R^d independently of one another are hydrogen, halogen, C_1 - C_4 -haloalkyl or cyano and
A is as defined above

or its HCl adduct is reacted with phosgene, thiophosgene or diphosgene, giving a compound of the formula IA



where the variables R^a , R^b , R^c , R^d , A and W are as defined above.

6. (Withdrawn) A process as claimed in claim 1, wherein the radical A in formula I is NR^1R^2 ,

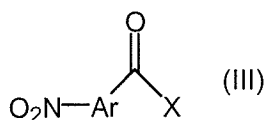
where the variables R^1 and R^2 are as defined below:

R^1 and R^2 independently of one another represent hydrogen, C_1 - C_{10} -alkyl, C_2 - C_{10} -alkenyl or C_2 - C_{10} -alkynyl which may be unsubstituted or substituted by one of the following radicals: C_1 - C_4 -alkoxy, C_1 - C_4 -alkylthio, CN, NO_2 , formyl, C_1 - C_4 -alkylcarbonyl, C_1 - C_4 -alkoxycarbonyl, C_1 - C_4 -alkylaminocarbonyl, C_1 - C_4 -dialkylaminocarbonyl, C_1 - C_4 -alkylsulfinyl, C_1 - C_4 -alkylsulfonyl, C_3 - C_{10} -cycloalkyl, 3- to 8-membered heterocyclyl having one, two or three heteroatoms selected from the group consisting of O, S, N and a group NR^6 (where R^6 is hydrogen, C_1 - C_6 -alkyl, C_3 - C_6 -alkenyl or C_3 - C_6 -alkynyl), phenyl, which for its part may have 1, 2, 3 or 4 substituents selected from the group consisting of halogen, C_1 - C_4 -alkyl, C_1 - C_4 -alkoxy, C_1 - C_4 -fluoroalkyl, C_1 - C_4 -alkyloxycarbonyl, trifluoromethylsulfonyl, C_1 - C_3 -alkylamino, C_1 - C_3 -dialkylamino, formyl, nitro and cyano,

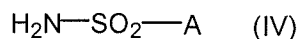
C₁-C₁₀-haloalkyl, C₂-C₁₀-haloalkenyl, C₂-C₁₀-haloalkynyl, C₃-C₈-cycloalkyl, C₃-C₁₀-cycloalkenyl, 3- to 8-membered heterocyclyl having one to three heteroatoms selected from the group consisting of O, S, N and a group NR⁶ (where R⁶ is hydrogen, C₁-C₆-alkyl, C₃-C₆-alkenyl or C₃-C₆-alkynyl), phenyl or naphthyl, where C₃-C₈-cycloalkyl, C₃-C₁₀-cycloalkenyl, 3- to 8-membered heterocyclyl, phenyl and naphthyl may for their part have 1, 2, 3 or 4 substituents selected from the group consisting of halogen, C₁-C₄-alkyl, C₁-C₄-alkoxy, C₁-C₄-fluoroalkyl, C₁-C₄-alkyloxycarbonyl, trifluoromethylsulfonyl, formyl, C₁-C₃-alkylamino, C₁-C₃-dialkylamino, phenoxy, nitro and cyano, or

R¹ and R² together with the nitrogen atom to which they are attached form a saturated or partially unsaturated 5- to 8-membered nitrogen heterocycle which for its part may be substituted by C₁-C₄-alkyl, C₁-C₄-alkoxy and/or C₁-C₄-haloalkyl and may have one or two carbonyl groups, thiocarbonyl groups and/or one or two further heteroatoms selected from the group consisting of O, S, N and a group NR⁶ (where R⁶ is as defined above) as ring members.

7. (Withdrawn) A process as claimed in claim 1, wherein the compound of formula II is prepared by the following steps:
- i) reacting an aroyl compound of the formula III

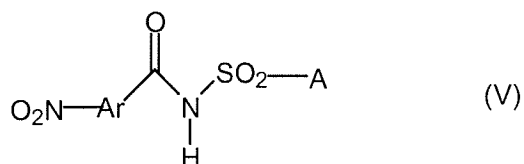


in which the variable Ar is as defined above and X is halogen, OH or C₁-C₄-alkoxy with a sulfamic acid amide of the formula IV,



where A is as defined above and

ii) reducing N-arylsulfamic acid amide, obtained in step i), of the formula V



where Ar and A are as defined above, giving a compound of the formula II.

8. (Withdrawn) A process as claimed in claim 7, wherein in step (ii) the reduction is carried out in the presence of catalytic amounts of transition metals or transition metal compounds.
9. (Withdrawn) A process as claimed in claim 7, wherein in step (ii) the reduction is carried out in the presence of iron and at least one C₁-C₄-carboxylic acid.

10. (Withdrawn) A process as claimed in claim 7, wherein in step (ii) the reduction is carried out in the presence of Raney nickel and hydrogen.
11. (Withdrawn) A phenyl iso(thio)cyanate of the formula I as defined in claim 1.
12. (Withdrawn) A phenyl iso(thio)cyanate of the formula IA as defined in claim 5, wherein R^a is fluorine, chlorine or cyano, R^c is hydrogen, fluorine or chlorine and R^b and R^d are each hydrogen.
13. (Withdrawn) A phenyl iso(thio)cyanate of the formula IA as defined in claim 5, wherein A is a radical of the formula NR^1R^2 where R^1 and R^2 independently of one another represent hydrogen, C_1 - C_{10} -alkyl, C_2 - C_{10} -alkenyl or C_2 - C_{10} -alkynyl which may be unsubstituted or substituted by one of the following radicals: C_1 - C_4 -alkoxy, C_1 - C_4 -alkylthio, CN, NO_2 , formyl, C_1 - C_4 -alkylcarbonyl, C_1 - C_4 -alkoxycarbonyl, C_1 - C_4 -alkylaminocarbonyl, C_1 - C_4 -dialkylaminocarbonyl, C_1 - C_4 -alkylsulfinyl, C_1 - C_4 -alkylsulfonyl, C_3 - C_{10} -cycloalkyl, 3- to 8-membered heterocyclyl having one, two or three heteroatoms selected from the group consisting of O, S, N and a group NR^6 (where R^6 is hydrogen, C_1 - C_6 -alkyl, C_3 - C_6 -alkenyl or C_3 - C_6 -alkynyl), phenyl, which for its part may have 1, 2, 3 or 4 substituents selected from the group consisting of halogen, C_1 - C_4 -alkyl, C_1 - C_4 -alkoxy, C_1 - C_4 -fluoroalkyl, C_1 - C_4 -alkyloxycarbonyl, trifluoromethylsulfonyl, C_1 - C_3 -alkylamino, C_1 - C_3 -dialkylamino, formyl, nitro and cyano,

C₁-C₁₀-haloalkyl, C₂-C₁₀-haloalkenyl, C₂-C₁₀-haloalkynyl, C₃-C₈-cycloalkyl, C₃-C₁₀-cycloalkenyl, 3- to 8-membered heterocyclyl having one to three heteroatoms selected from the group consisting of O, S, N and a group NR⁶ (where R⁶ is hydrogen, C₁-C₆-alkyl, C₃-C₆-alkenyl or C₃-C₆-alkynyl), phenyl or naphthyl, where C₃-C₈-cycloalkyl, C₃-C₁₀-cycloalkenyl, 3- to 8-membered heterocyclyl, phenyl and naphthyl may for their part have 1, 2, 3 or 4 substituents selected from the group consisting of halogen, C₁-C₄-alkyl, C₁-C₄-alkoxy, C₁-C₄-fluoroalkyl, C₁-C₄-alkyloxycarbonyl, trifluoromethylsulfonyl, formyl, C₁-C₃-alkylamino, C₁-C₃-dialkylamino, phenoxy, nitro and cyano, or

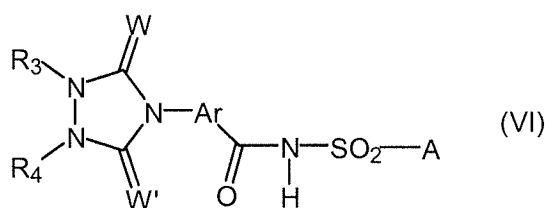
R¹ and R² together with the nitrogen atom to which they are attached form a saturated or partially unsaturated 5- to 8-membered nitrogen heterocycle which for its part may be substituted by C₁-C₄-alkyl, C₁-C₄-alkoxy and/or C₁-C₄-haloalkyl and may have one or two carbonyl groups, thiocarbonyl groups and/or one or two further heteroatoms selected from the group consisting of O, S, N and a group NR⁶ (where R⁶ is as defined above) as ring members.

14. (Withdrawn) A phenyl iso(thio)cyanate of the formula IA as claimed in claim 13, wherein R¹ and R² independently of one another are hydrogen, C₁-C₆-alkyl which is optionally substituted by a substituent selected from the group consisting of halogen, cyano, C₁-C₄-alkoxy, C₁-C₄-alkoxycarbonyl, C₁-C₄-alkylthio, C₃-C₈-cycloalkyl, furyl, thienyl, 1,3-dioxolanyl, phenyl which for its part is optionally substituted by halogen or C₁-C₄-alkoxy,

C₂-C₆-alkenyl, C₂-C₆-alkynyl, C₃-C₈-cycloalkyl or phenyl which is optionally substituted by 1 or 2 substituents selected from the group consisting of halogen, C₁-C₄-alkyl, C₁-C₄-fluoroalkyl, C₁-C₄-alkoxy, C₁-C₄-alkoxycarbonyl, nitro and C₁-C₃-dialkylamino, naphthyl or pyridyl or

R¹ and R² together with the nitrogen atom to which they are attached form a five-, six- or seven-membered saturated or unsaturated nitrogen heterocycle which may optionally contain a further heteroatom selected from the group consisting of N, a group NR⁶ (where R⁶ is as defined above) and O as ring member and/or which may be substituted by one, two or three substituents selected from the group consisting of C₁-C₄-alkyl and C₁-C₄-haloalkyl.

15. (Withdrawn) A process for preparing compounds of the formula VI

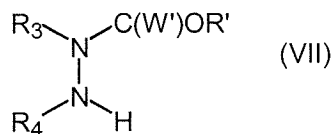


where W, Ar and A are as defined in claim 1, W' is O or S and R³ and R⁴ independently of one another are hydrogen, cyano, amino, C₁-C₆-alkyl, C₁-C₆-haloalkyl, C₁-C₆-haloalkoxy, C₃-C₇-cycloalkyl, C₂-C₆-alkenyl, C₂-C₆-haloalkenyl, C₃-C₆-alkynyl, benzyl, OR⁵ (where R⁵ is hydrogen, C₁-C₆-alkyl, C₁-C₆-haloalkyl, C₃-C₇-cycloalkyl, C₂-C₆-alkenyl, C₃-C₆-alkynyl, unsubstituted or substituted phenyl or

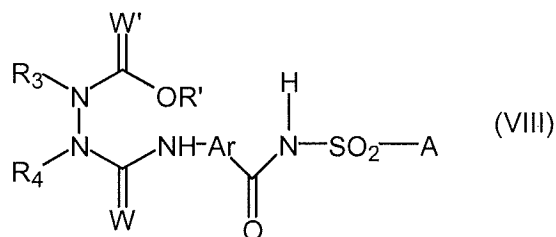
unsubstituted or substituted benzyl), C₁-C₃-cyanoalkyl, or R³ and R⁴ together with the nitrogen atoms to which they are attached form a four- to seven-membered heterocycle which is optionally interrupted by sulfur, oxygen, a group NR⁶ (where R⁶ is as defined above) or nitrogen and which is unsubstituted or mono- or polysubstituted by halogen or C₁-C₄-alkyl,

which comprises

- (i) reacting a compound of the formula I as defined in claim 1 with an oxadiazinecarboxylic acid ester of the formula VII



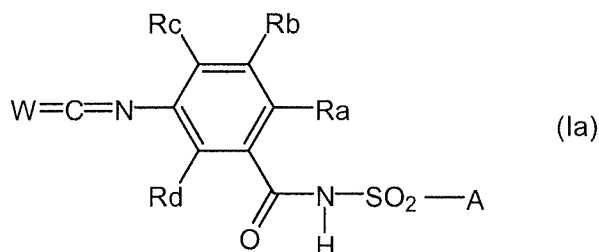
where W' is as defined above and R' is C₁-C₄-alkyl, giving a urea derivative of the formula VIII



where the variables R³, R⁴, R', W, W', Ar and A are as defined above and

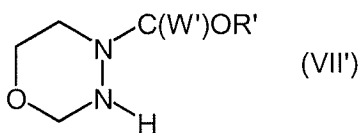
(ii) cyclizing the resulting intermediate VIII, giving a compound of the formula VI.

16. (Withdrawn) A process as claimed in claim 15, wherein the compound of the formula I used in step (i) is a compound of the formula IA



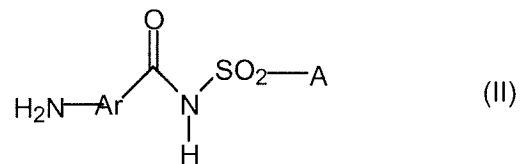
where the variables A and W are as defined above , and R^a, R^b, R^c and R^d independently of one another are hydrogen, halogen, C₁-C₄-haloalkyl or cyano.

17. (Withdrawn) A process as claimed in claim 15, wherein the compound VII used in step (i) is a compound of the formula VII'



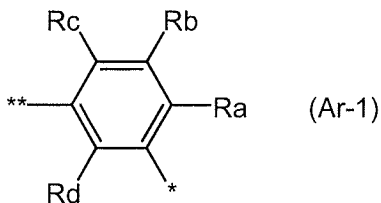
where W' is O or S and R' is C₁-C₄-alkyl.

18. (Previously Presented) An aminobenzoylsulfamic acid amide of the formula II



where the variables are as defined below:

Ar is a group of the formula Ar-1



where

R^a is halogen or cyano,

R^b is hydrogen,

R^c is halogen or hydrogen,

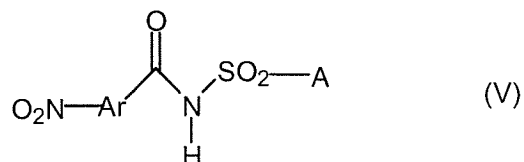
R^d is hydrogen;

* denotes the point of attachment of Ar to the C(O) group and

** denotes the point of attachment of Ar to the nitrogen atom of the amino group; and

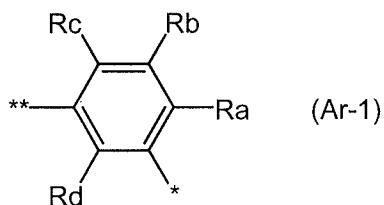
A is a group of the formula NR^1R^2 ,
where one of the radicals R^1 or R^2 is hydrogen, C_1 - C_6 -alkyl,
 C_2 - C_6 -alkenyl or C_2 - C_6 -alkynyl and the other radical R^1 or R^2
is C_1 - C_6 -alkyl, C_3 - C_6 -cycloalkyl or phenyl.

19. (Withdrawn) A nitrobenzoylsulfamic acid amide of the
formula V



where the variables are as defined below:

Ar is a group of the formula Ar-1



where

R^a is halogen or cyano,

R^b is hydrogen,

R^c is halogen or hydrogen,

R^d is hydrogen;

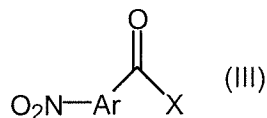
* denotes the point of attachment of Ar to the
C(O) group and

** denotes the point of attachment of Ar to the
nitrogen atom of the amino group;

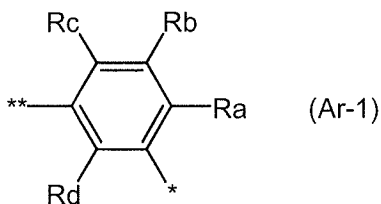
A is a group of the formula NR^1R^2 ,
where one of the radicals R^1 or R^2 is hydrogen, $\text{C}_1\text{-C}_6$ -alkyl, $\text{C}_2\text{-C}_6$ -alkenyl or $\text{C}_2\text{-C}_6$ -alkynyl and the other radical R^1 or R^2 is $\text{C}_1\text{-C}_6$ -alkyl, $\text{C}_3\text{-C}_6$ -cycloalkyl or phenyl.

20. (Previously Presented) A process for preparing aminobenzoylsulfamic acid amides of the formula II as claimed in claim 18, which process comprises the following steps:

a) reacting an aroyl compound of the formula III



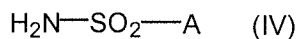
where Ar is a group of the formula Ar-1



where

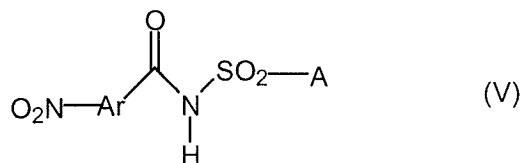
R^a is halogen or cyano,
 R^b is hydrogen,
 R^c is halogen or hydrogen,

- R^d is hydrogen;
* denotes the point of attachment of Ar to the C(O) group and
** denotes the point of attachment of Ar to the nitrogen atom of the amino group; and X is halogen or C₁-C₄-alkoxy with a sulfamic acid amide of the formula IV



where A is a group of the formula NR^1R^2 , where one of the radicals R^1 or R^2 is hydrogen, C₁-C₆-alkyl, C₂-C₆-alkenyl or C₂-C₆-alkynyl and the other radical R^1 or R^2 is C₁-C₆-alkyl, C₃-C₆-cycloalkyl or phenyl; and

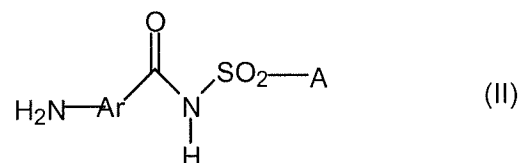
- b) reducing the nitrobenzoylsulfamic acid amide, obtained in step a), of the formula V



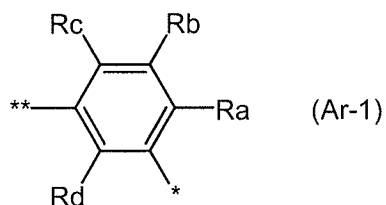
to produce the aminobenzoylsulfamic acid amide of formula II.

21. (Original) A process as claimed in claim 20, wherein in step b) the reduction is carried out in the presence of catalytic amounts of transition metals or transition metal compounds.

22. (Previously Presented) An aminobenzoylsulfamic acid amide of the formula II where the variables are as defined below:



Ar is a group of the formula Ar-1



where

R^a is halogen,

R^b is hydrogen,

R^c is halogen,

R^d is hydrogen;

* denotes the point of attachment of Ar to the C(O) group and

** denotes the point of attachment of Ar to the nitrogen atom of the amino group; and

A is NR¹R² where each of R¹ and R² is C₁-C₆-alkyl.